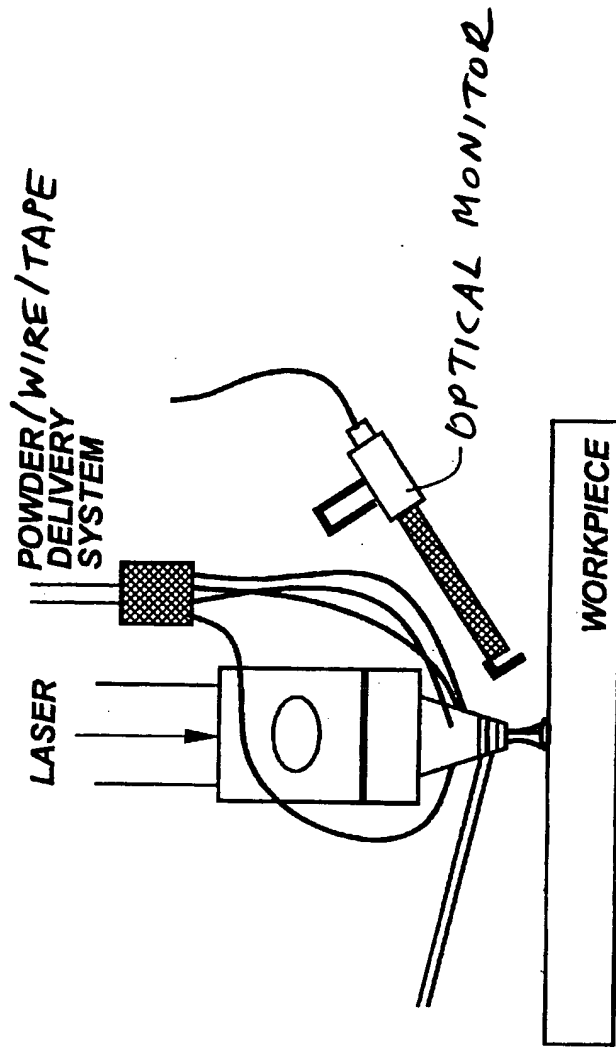


Figure - 1

Figure - 2



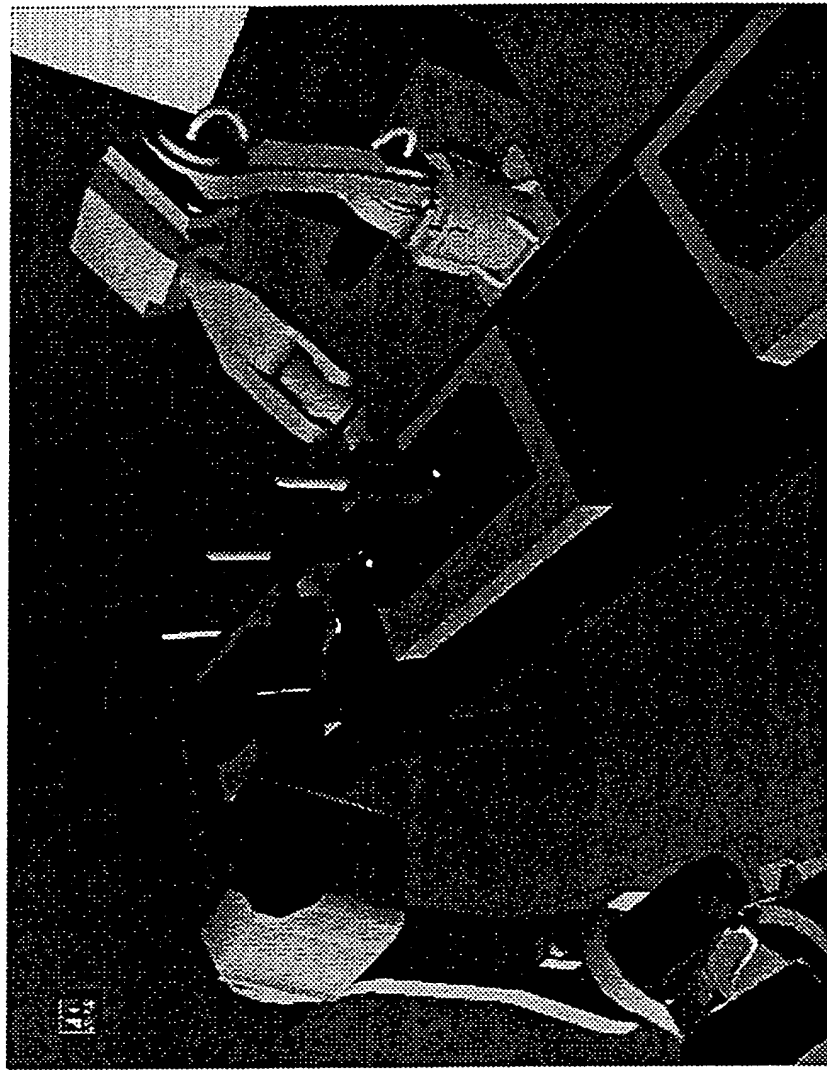


Figure 3. Robotic embodiment of DMD

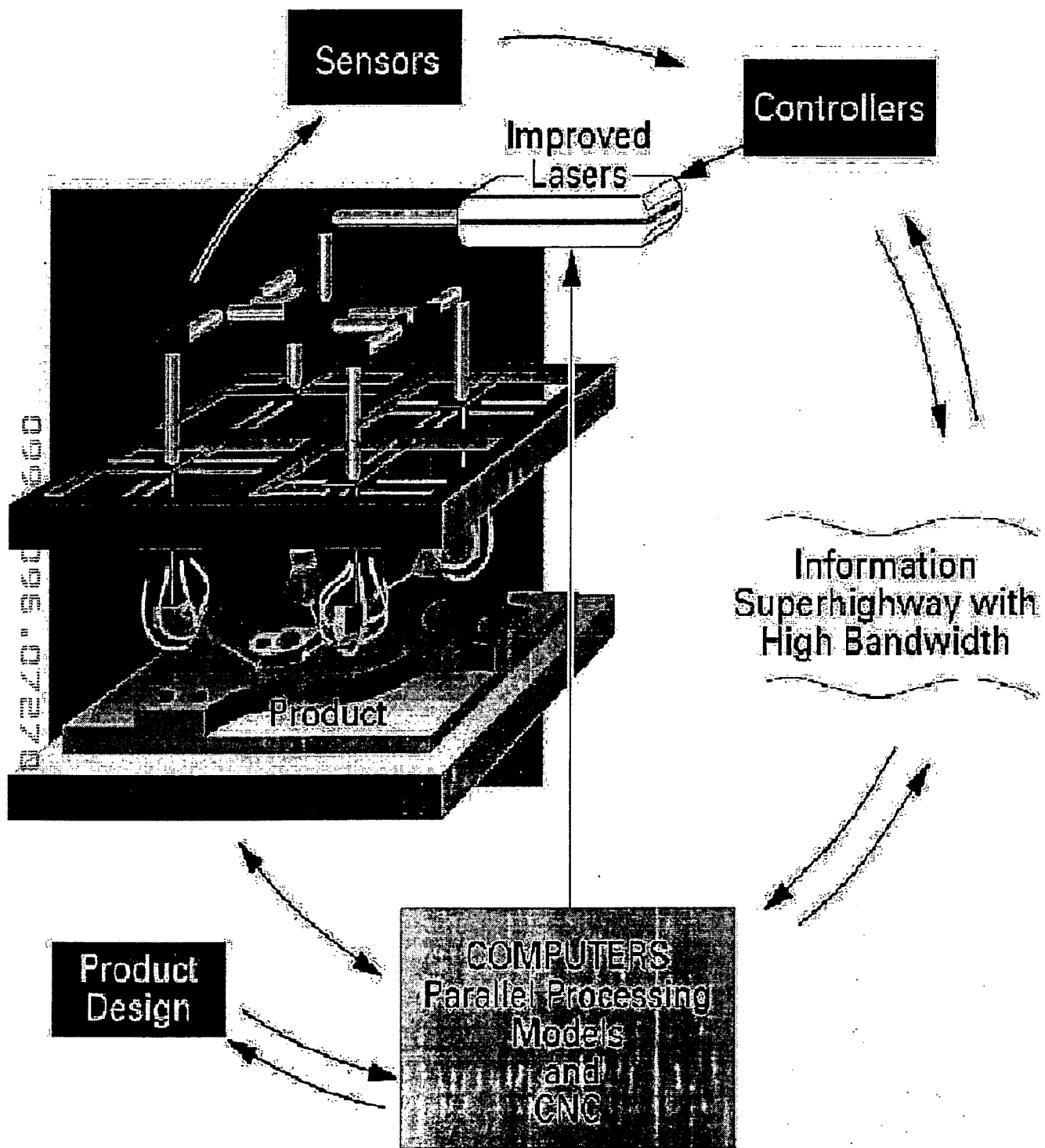


FIGURE 4

09917095.072701

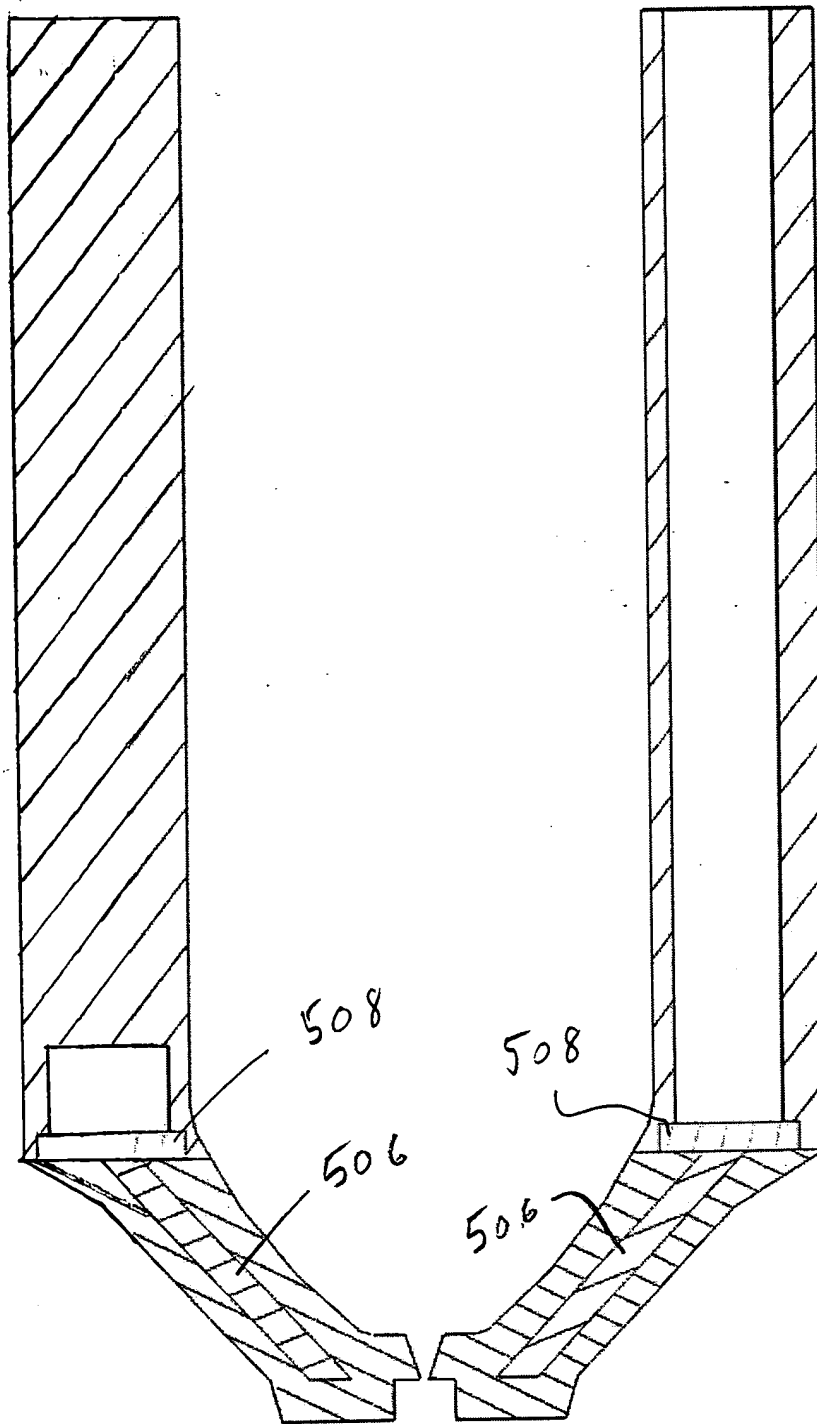
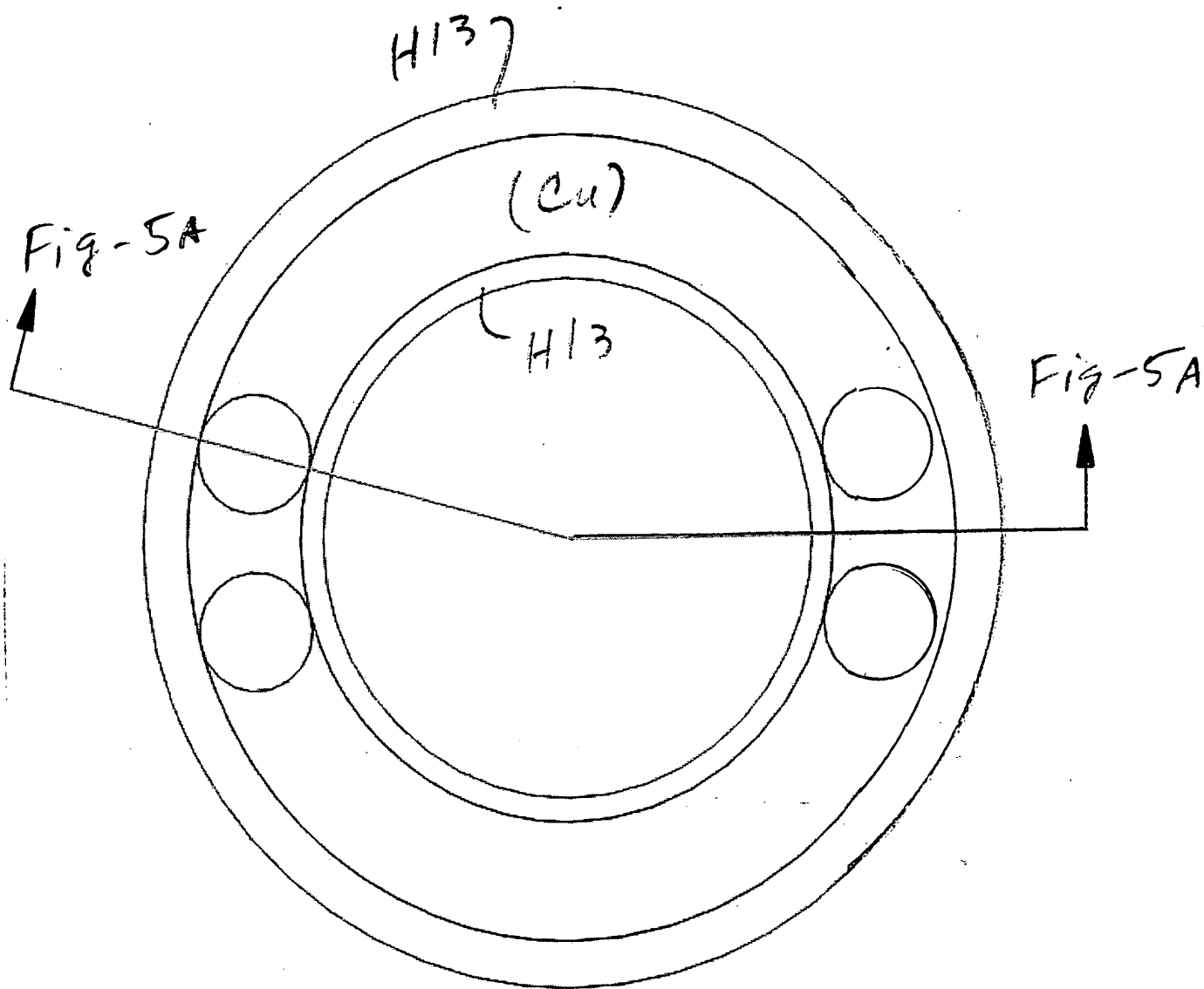


Fig-5A

0947096.072701



$Fig-5B$

Conventional
Drilled Cooling
Channels
(DCC)



Fig- 6A

Conformal
Cooling
Channels
(CCC)



Re-design of actual
automotive fuse box cover
to reduce molding cycle
times using CoolMold
Technology

Fig- 6B

FD-220" 3604F660

Comparative Analysis - Core Heating Time [70 deg.F - 350 deg.F]

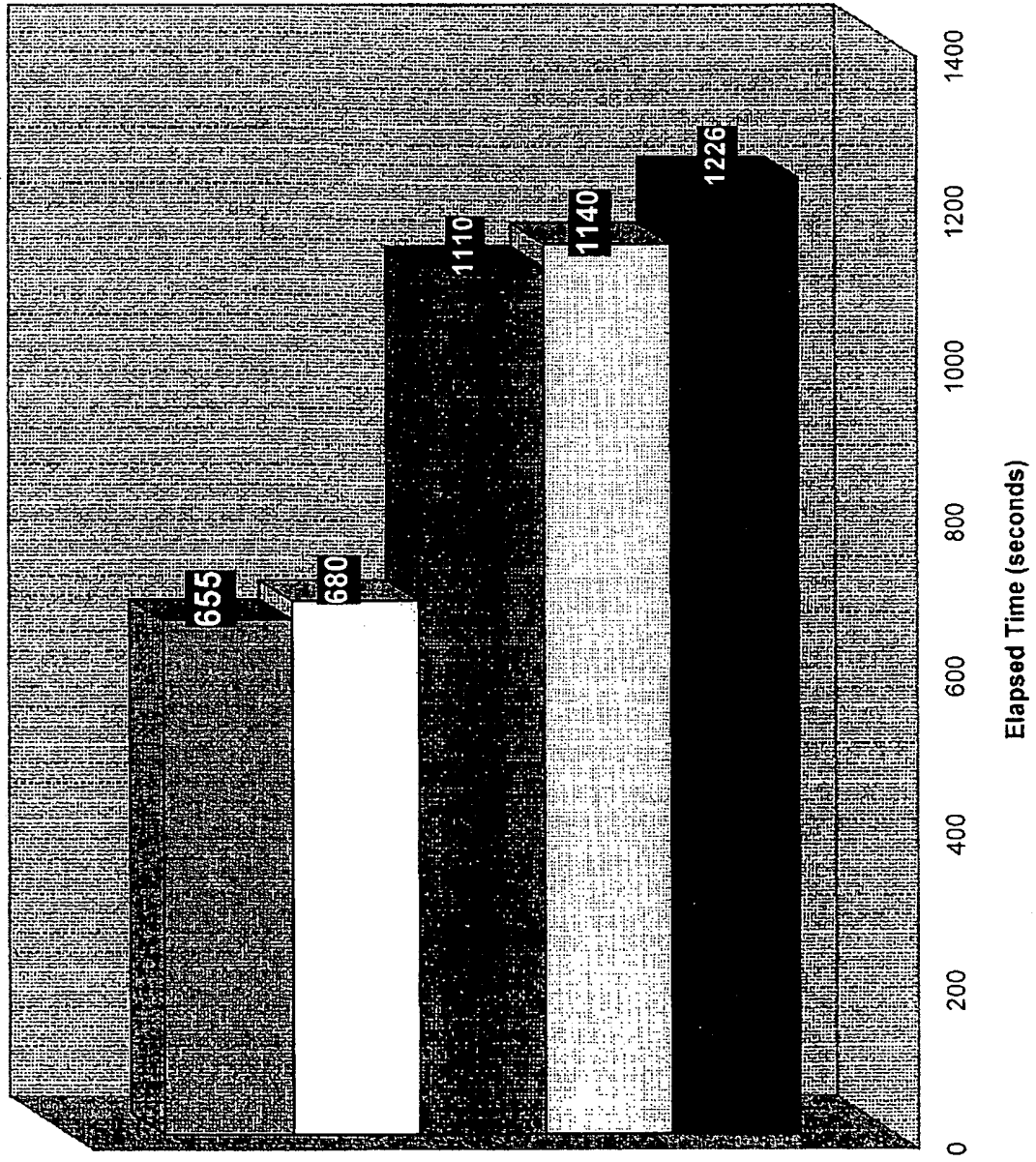


Fig-7

FOUO 96021660

Comparative Analysis - Cavity Heating Time [70 deg.F - 350 deg.F]

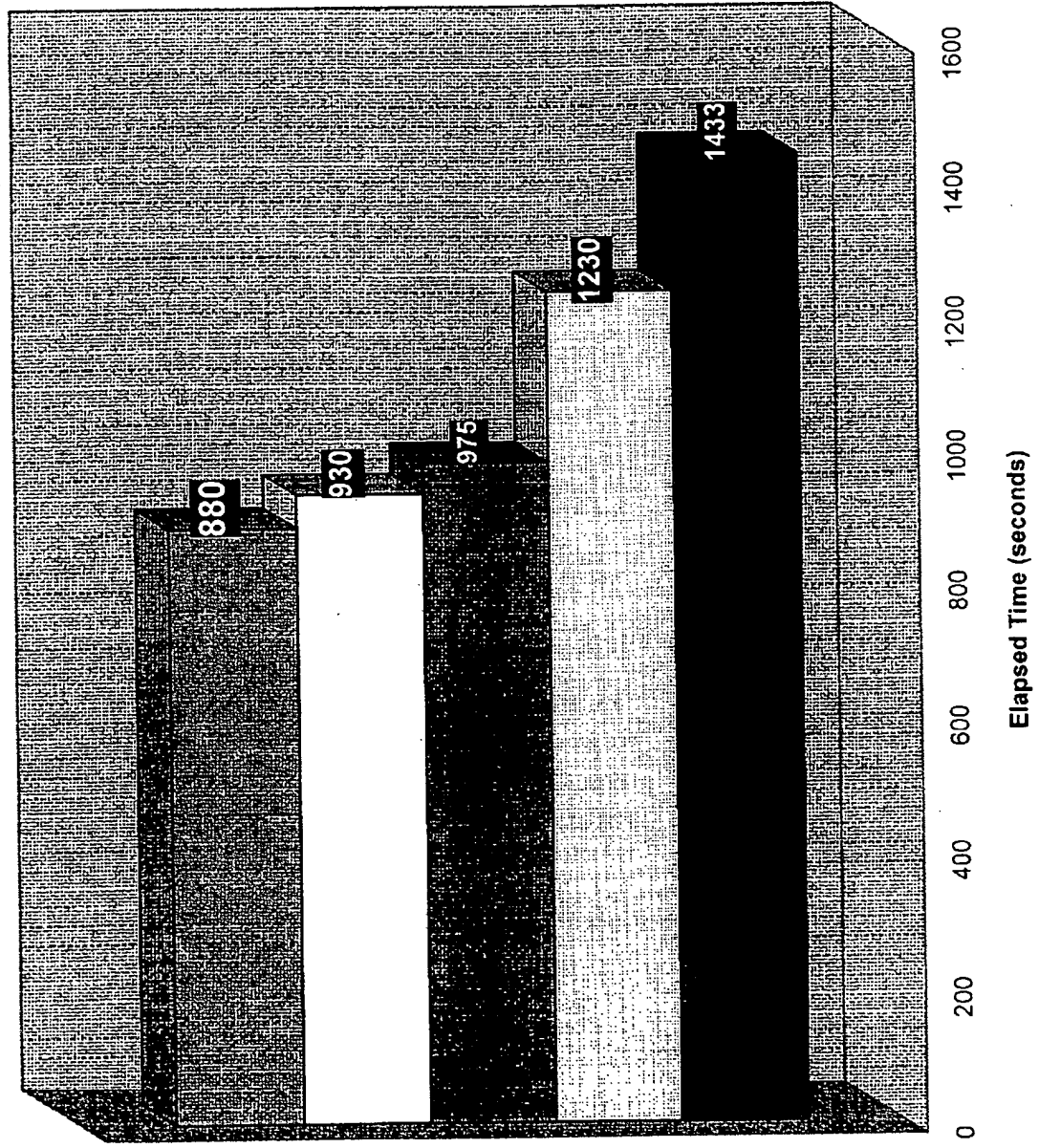


Fig-8

FOUO 96021660

TEST 2-1 [DMD Hollow vs. Aluminum]

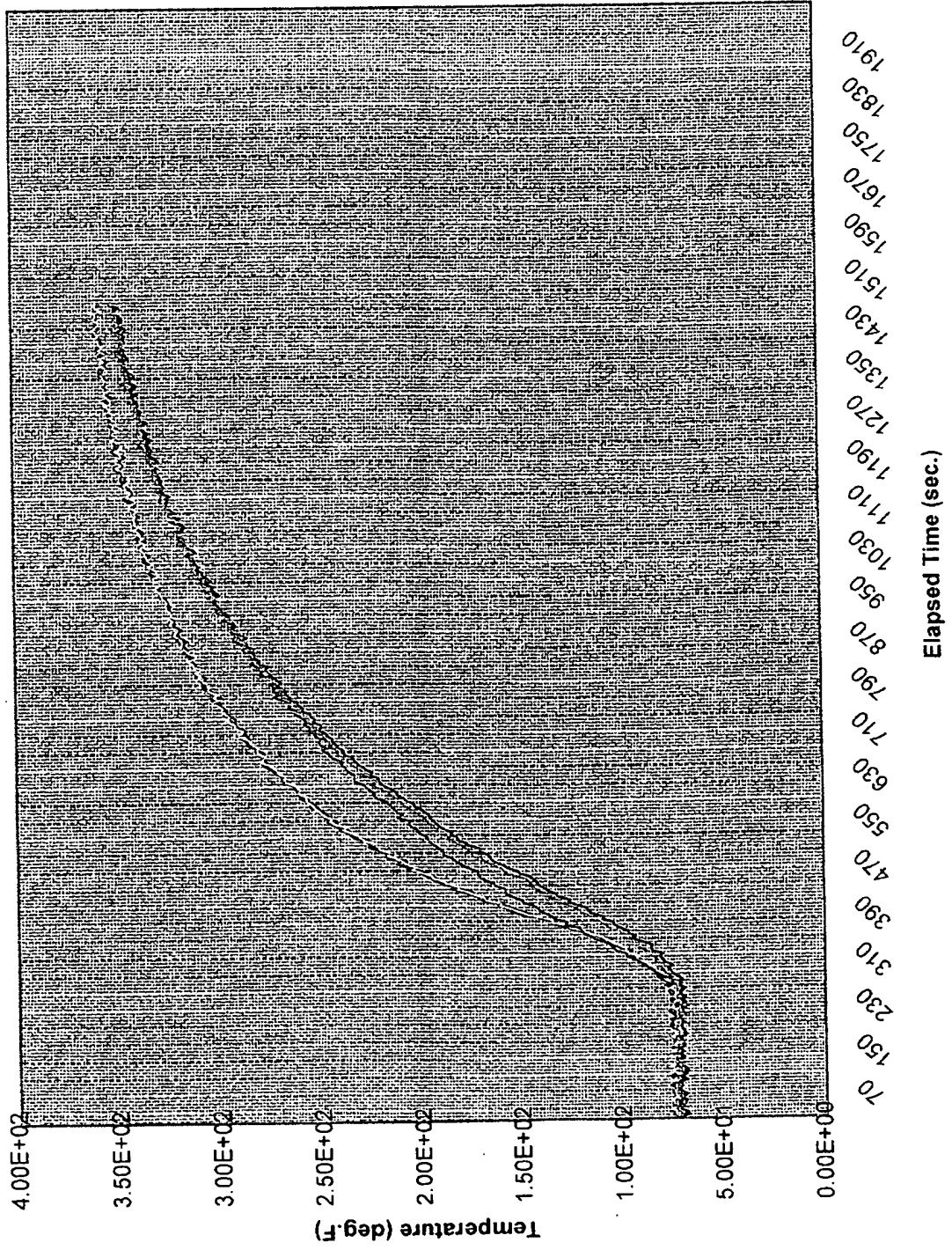


Fig-9

FOU220" 9604T660

TEST 2-1 [DMD Hollow vs. Aluminum]

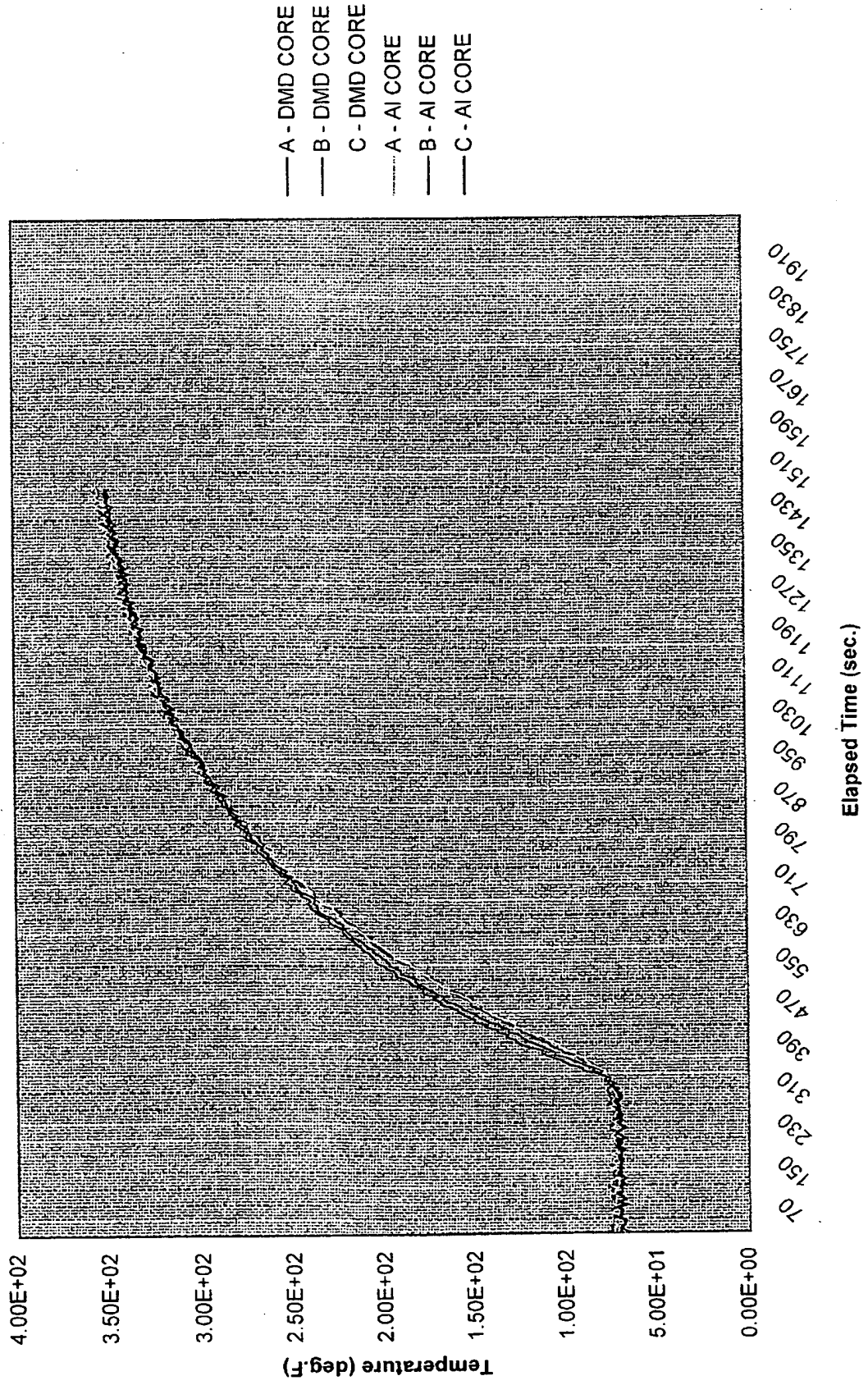


Fig-10

FD4240"9604T660

TEST 3-2 [DMD Light Wt.#1 vs. Aluminum]

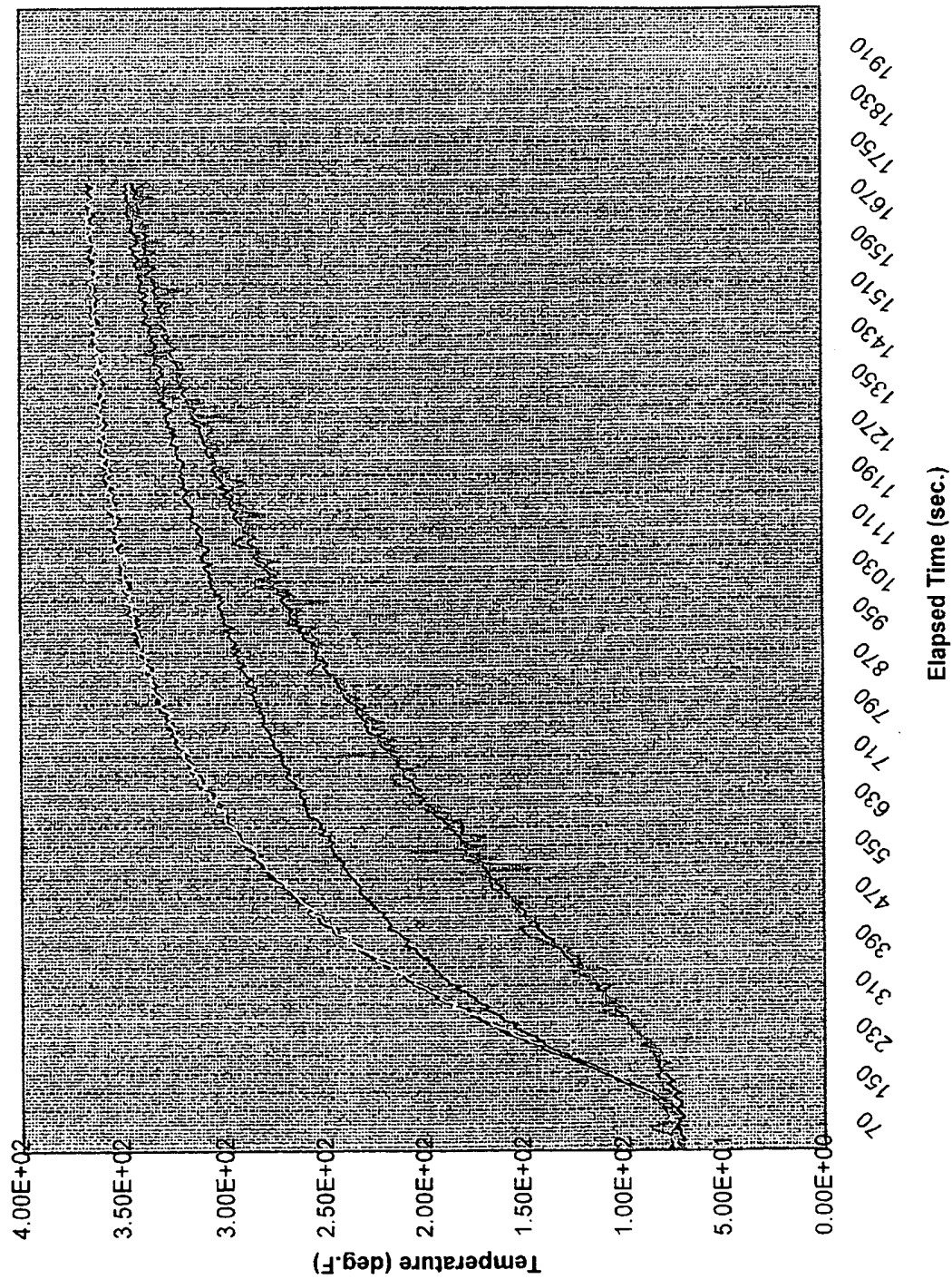


Fig-11

10220' 5604T660

TEST 3-2 [DMD Light Wt.#1 vs. Aluminum]

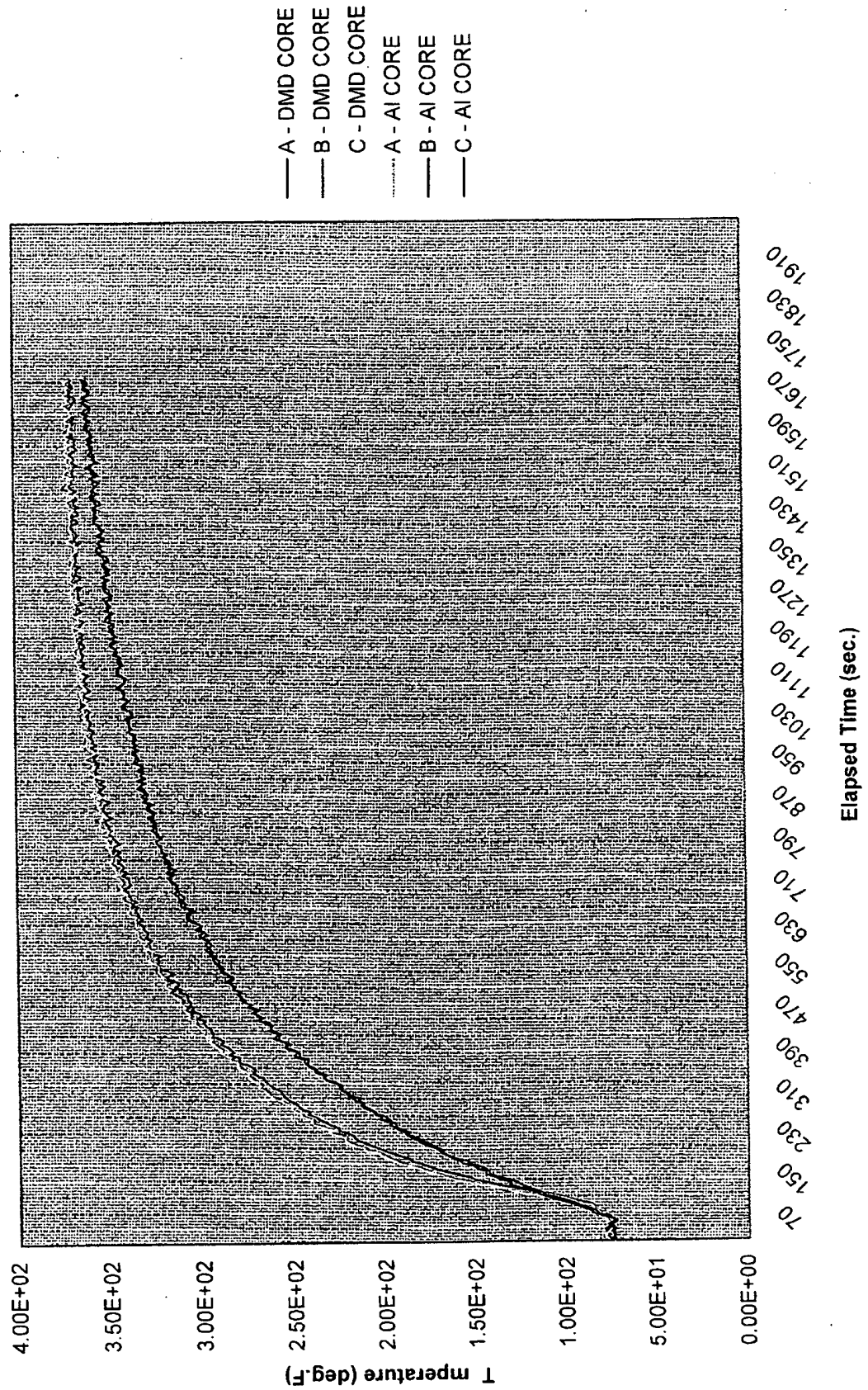


Fig-12

FD220" 96021660

TEST 4-2 [DMD Light Wt.#2 vs. Aluminum]

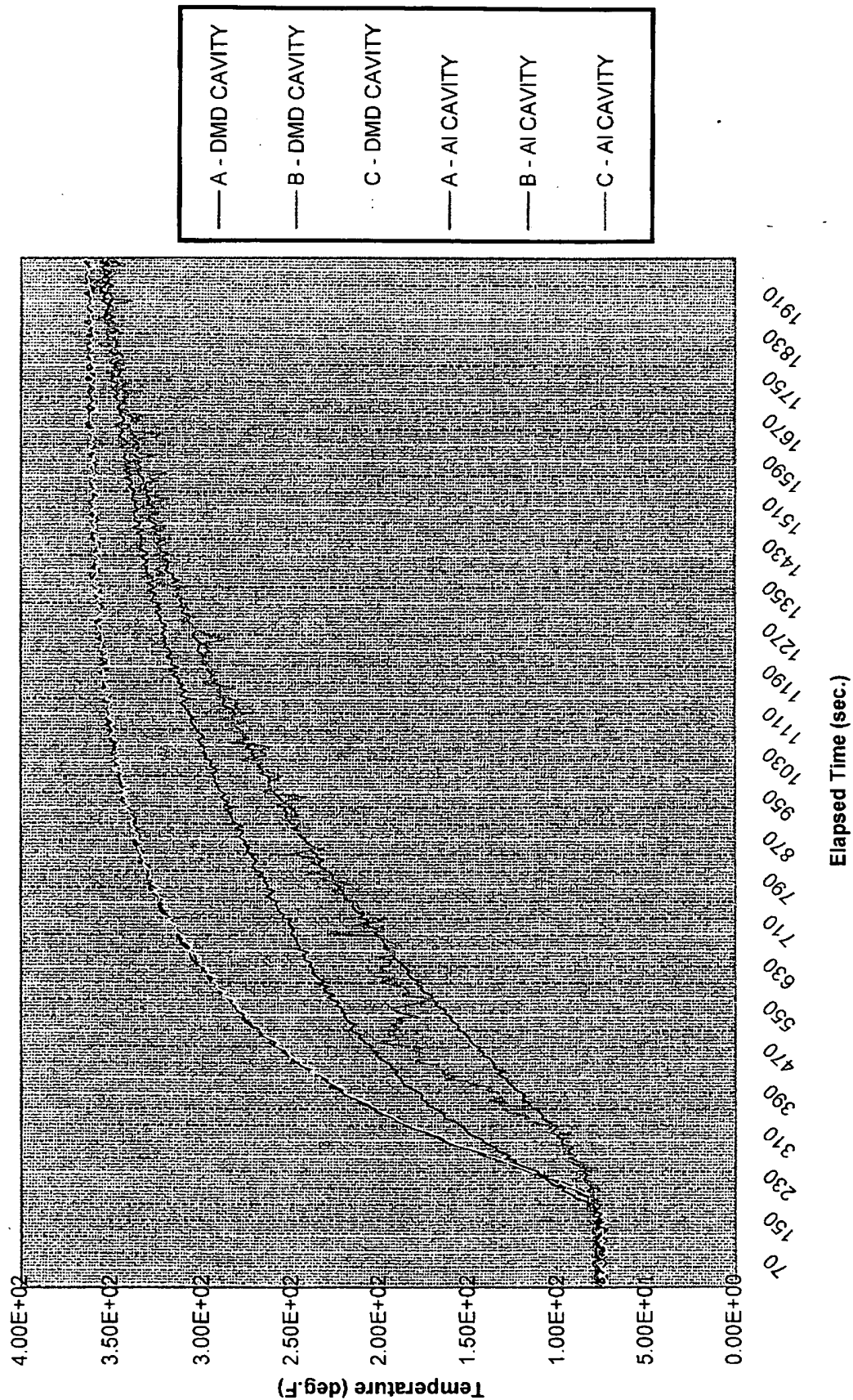


Fig - 13

FD420" 5602F660

TEST 4-2 [DMD Light Wt.#2 vs. Aluminum]

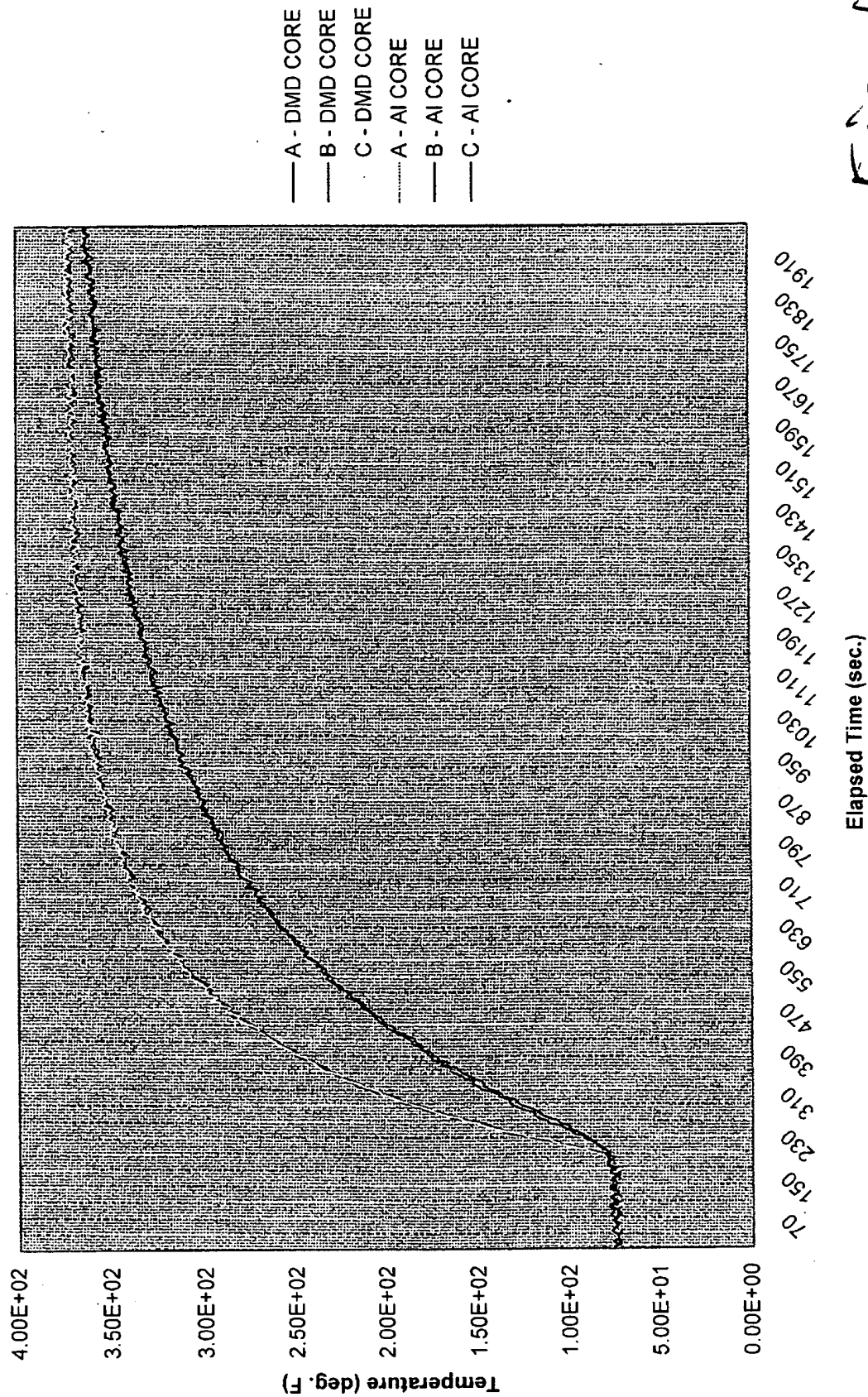


Fig-14